

Figure 1

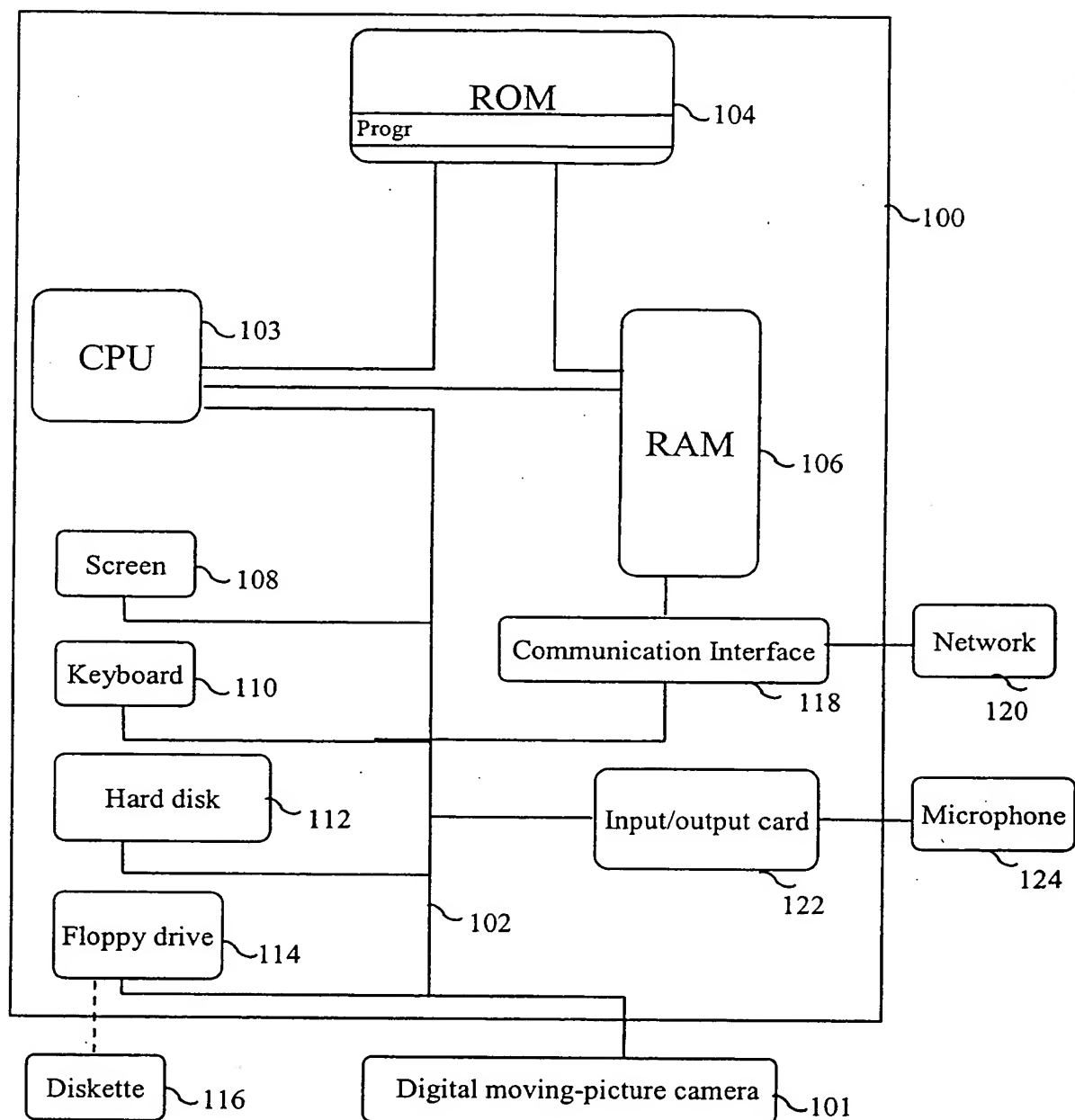


Figure 2

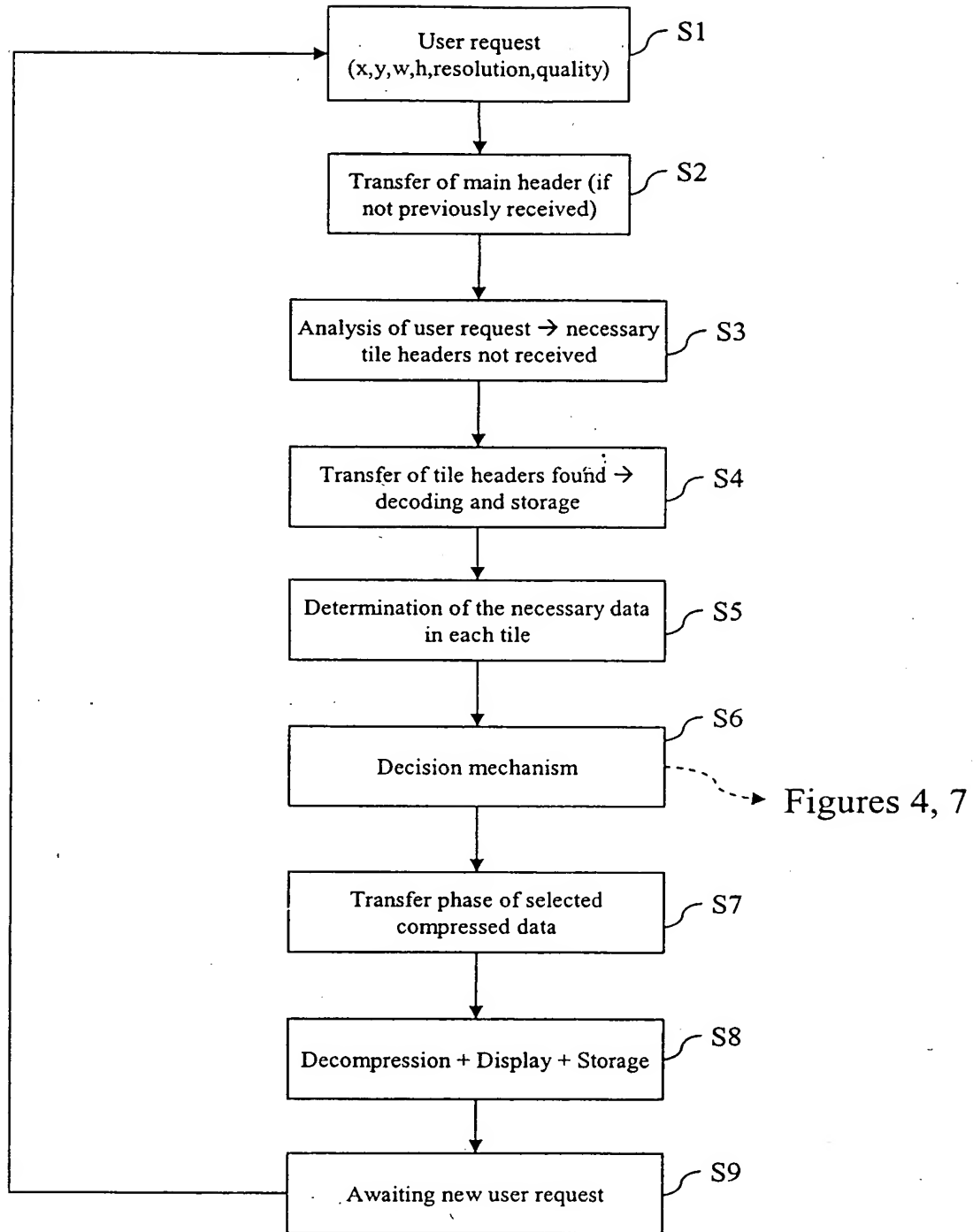


Figure 3

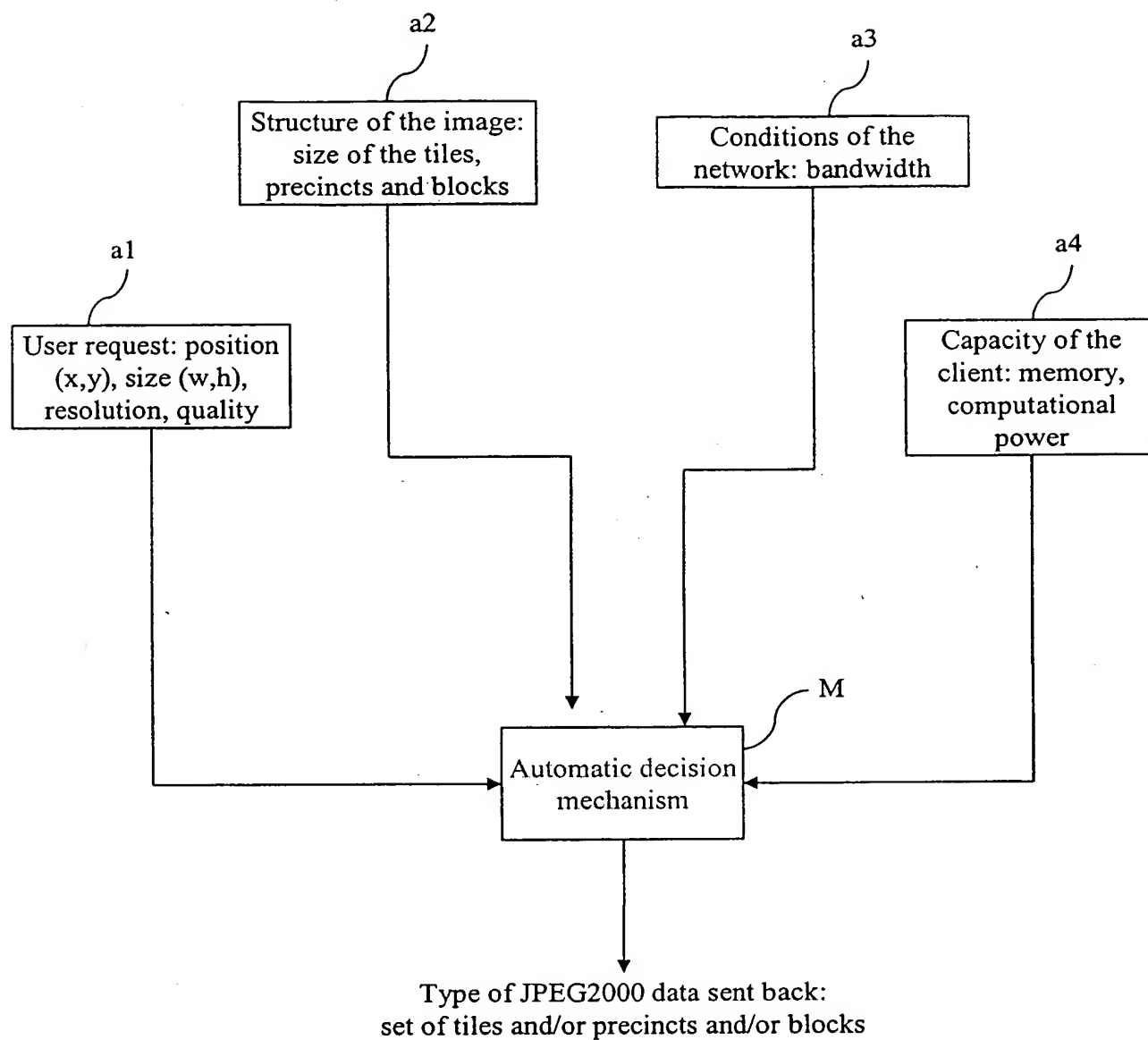


Figure 4

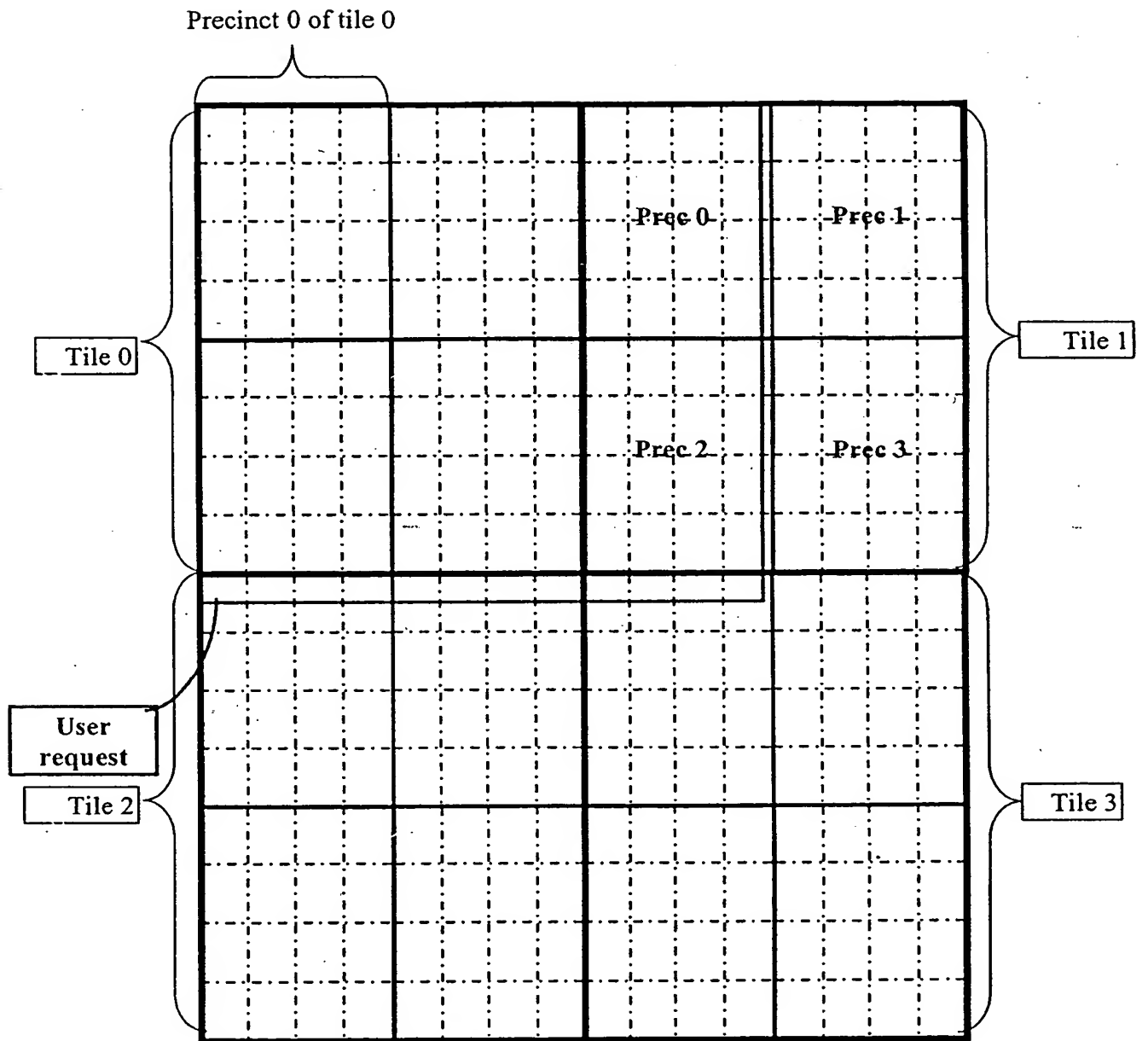


Figure 5

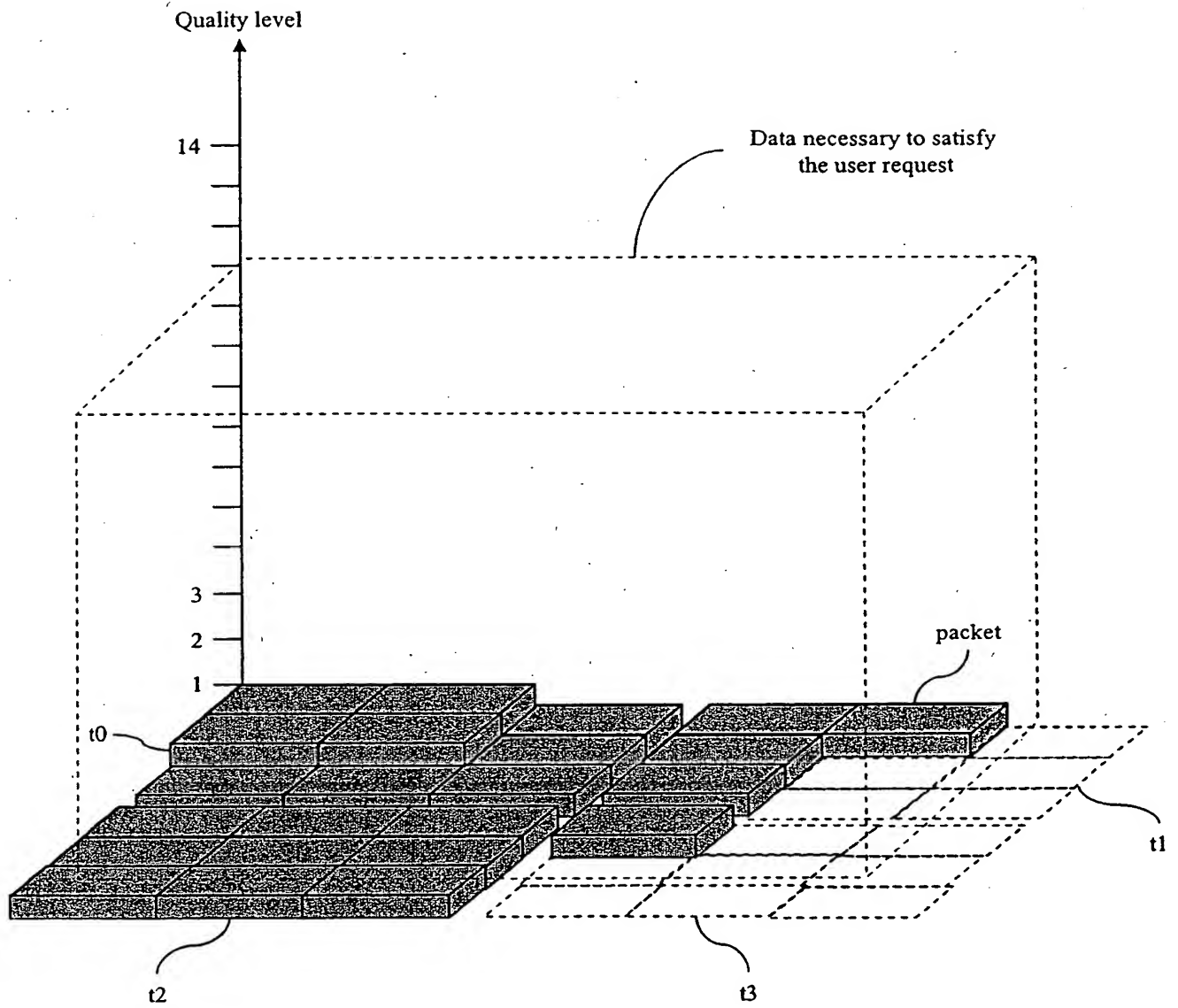
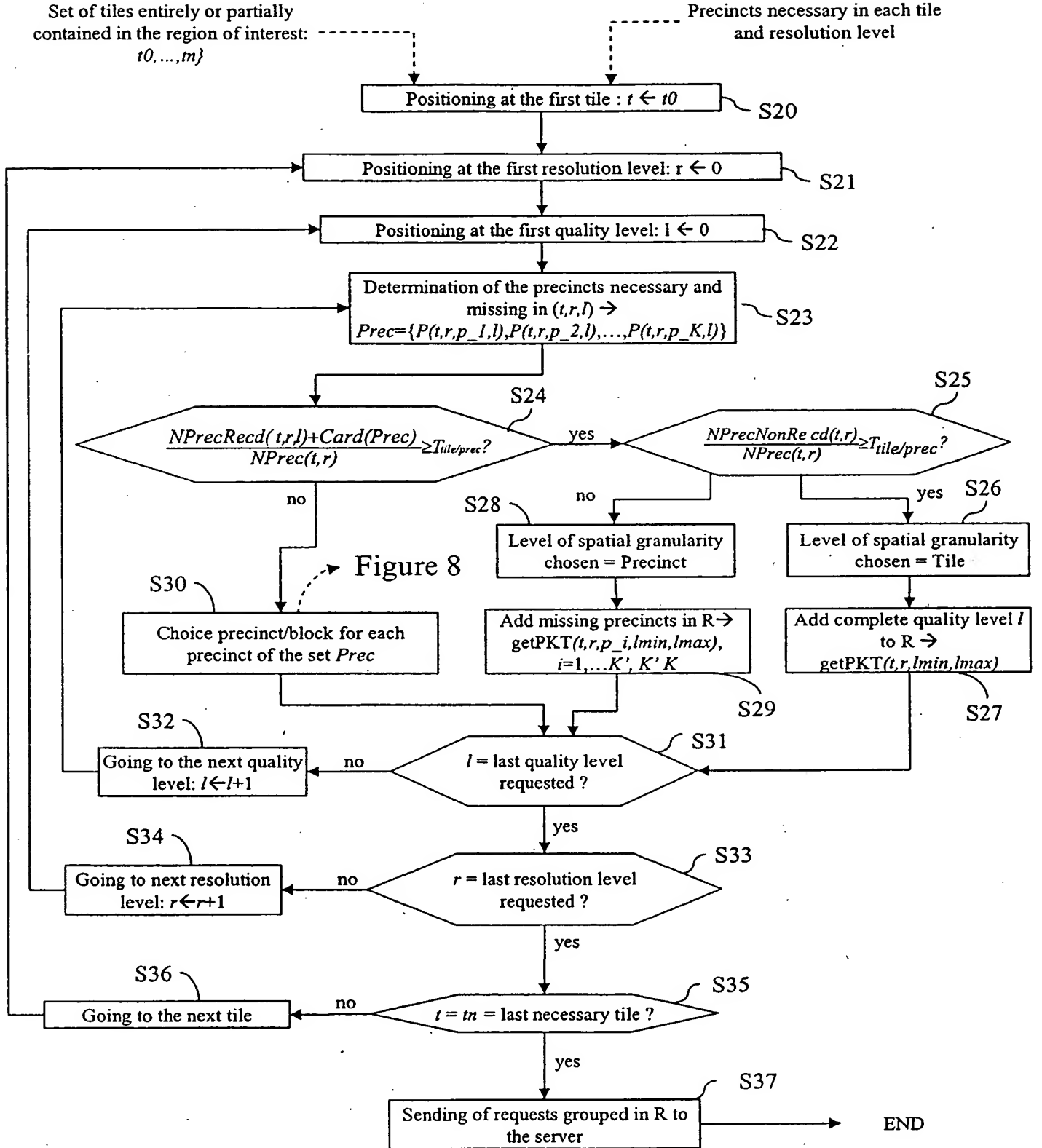


Figure 6



The set of missing precincts in tile t ,
resolution level r , quality layer l :
 $Prec = \{P(t, r, p_1, l), P(t, r, p_2, l), \dots, P(t, r, p_K, l)\}$

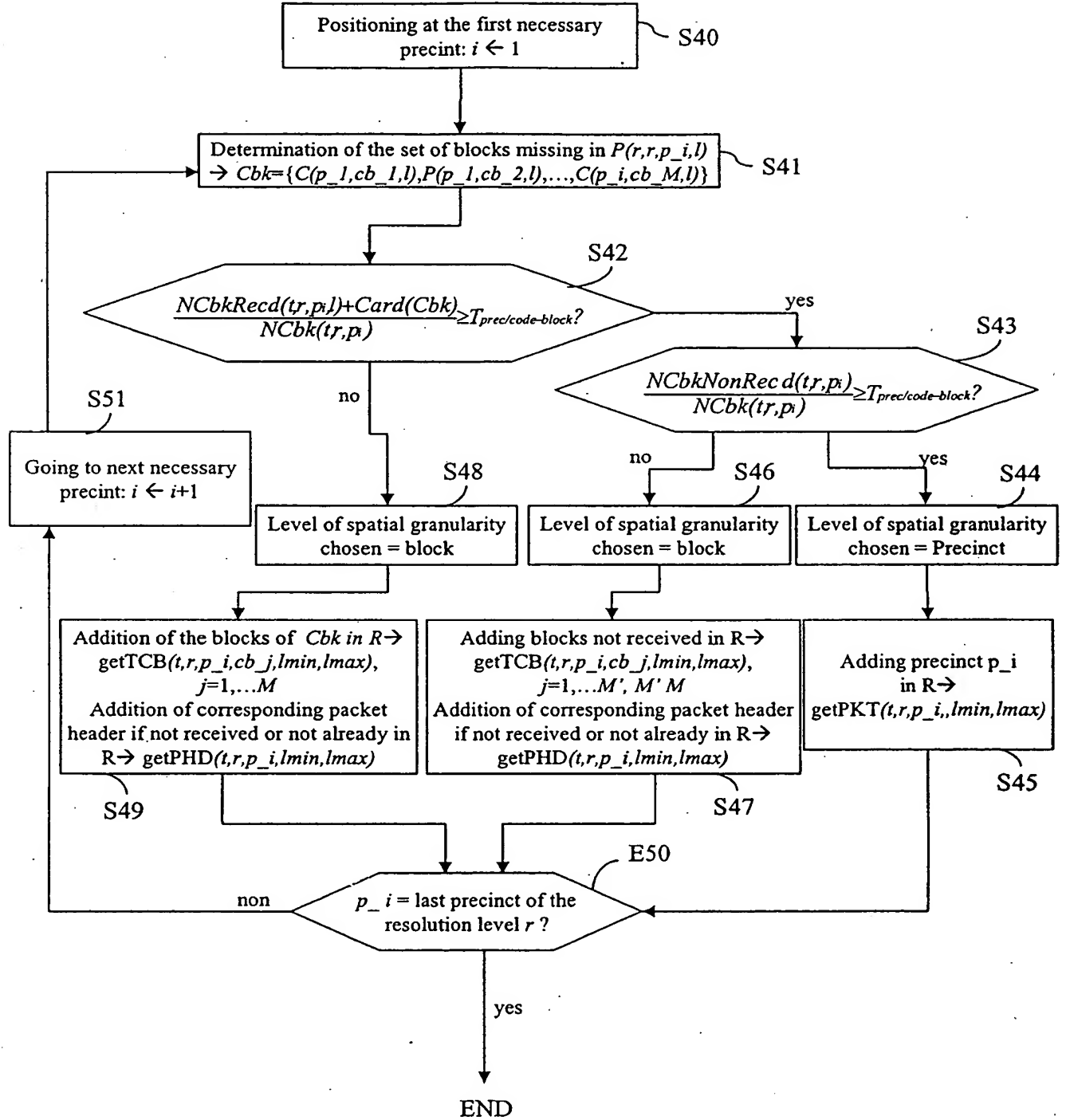


Figure 8

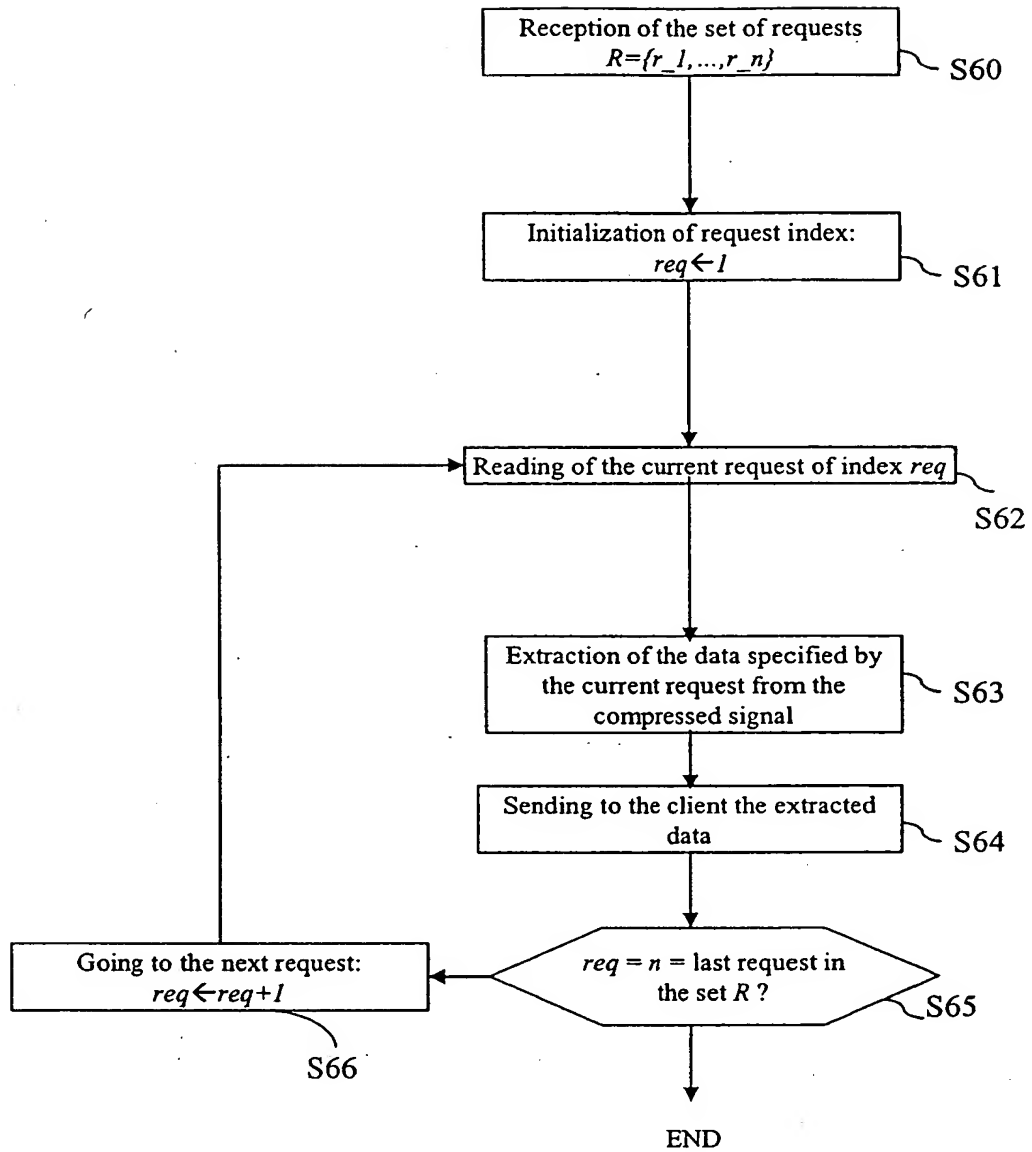


Figure 9

Set of the tiles entirely or partially
contained in the region of interest:
 $\{t_0, \dots, t_n\}$

Precincts necessary in each
tile and resolution level

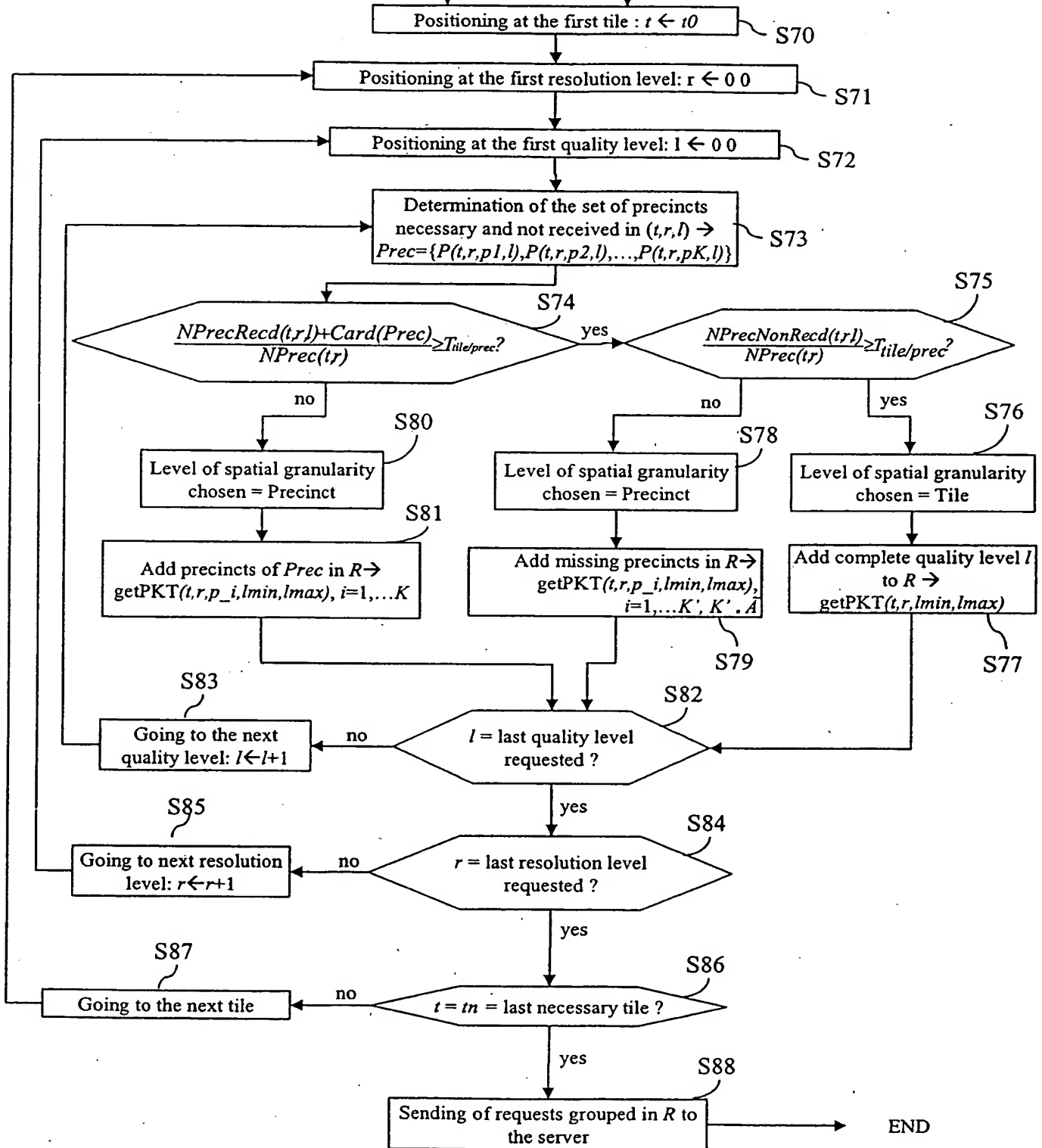


Figure 10

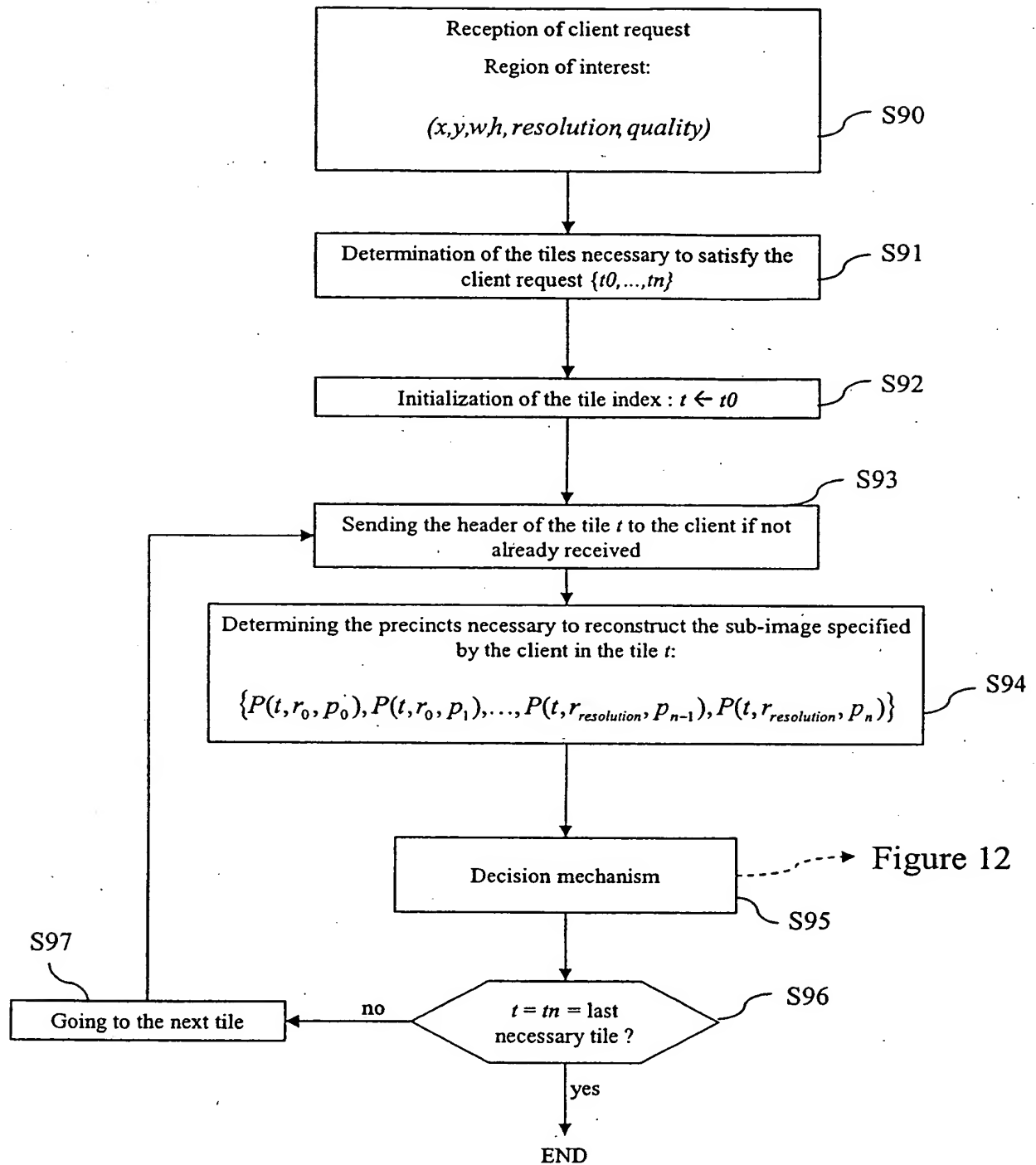


Figure 11

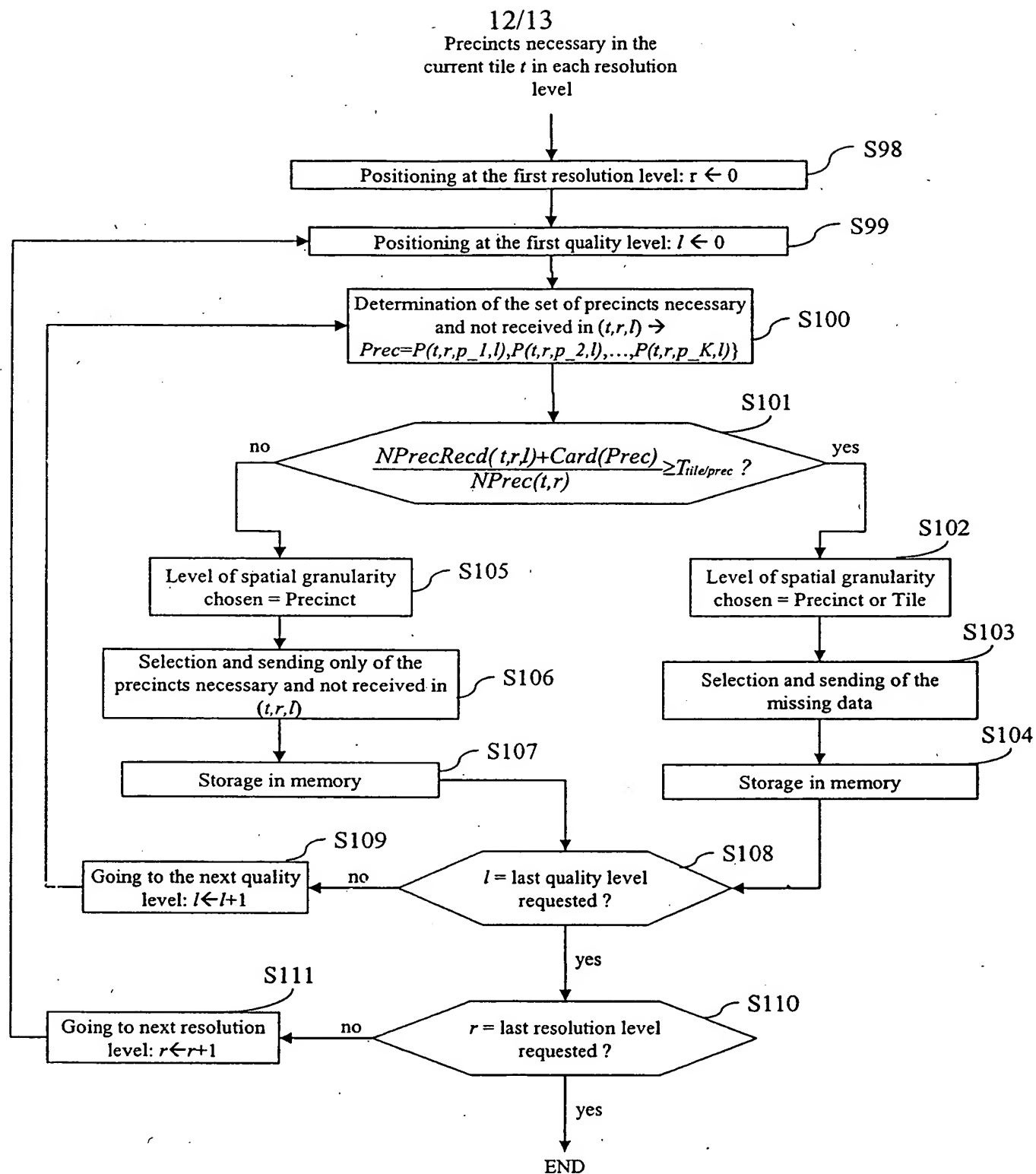


Figure 12

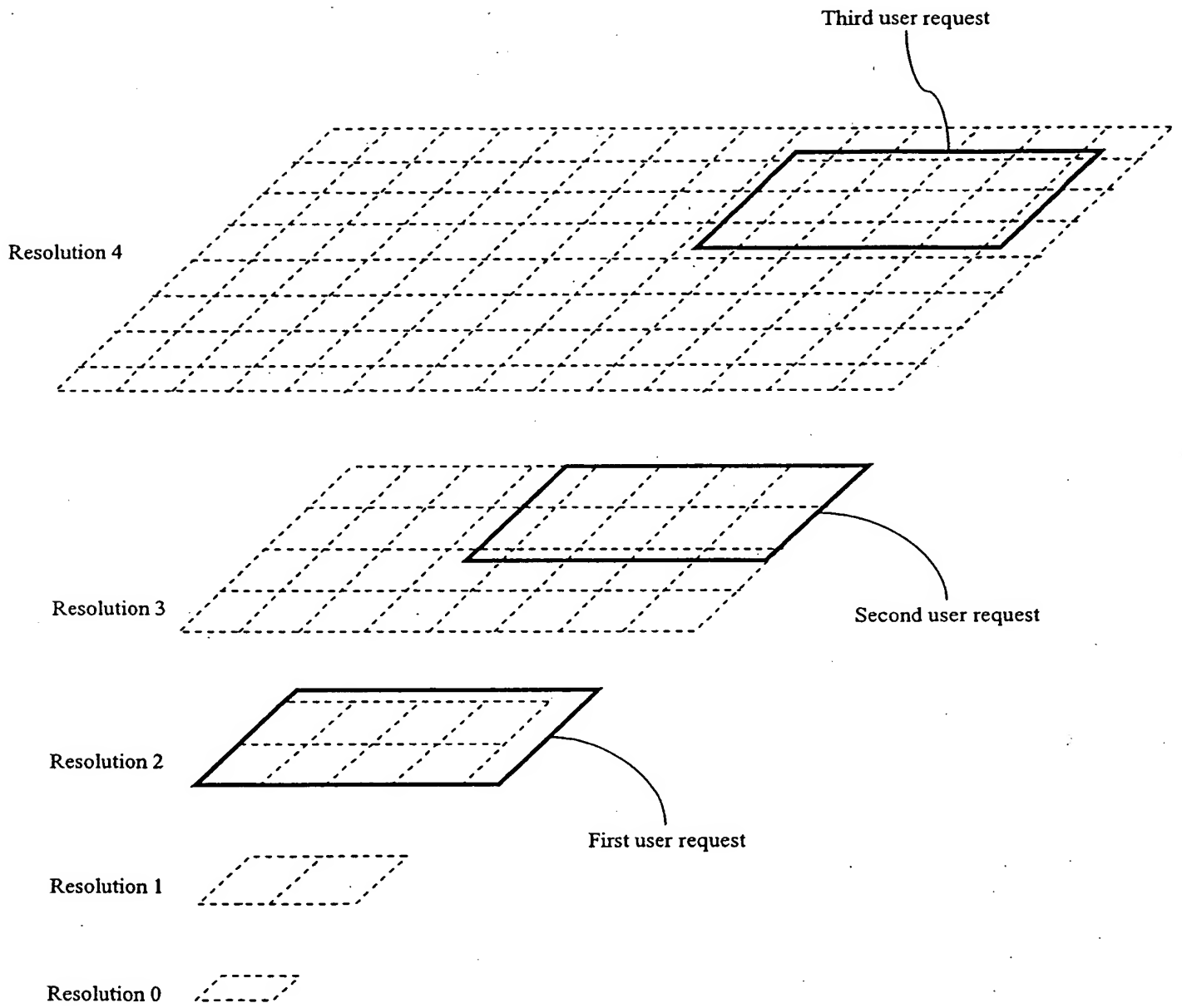


Fig. 13